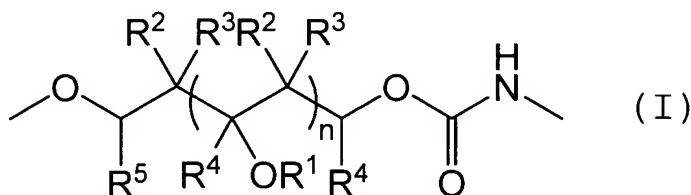


a.) Amendment to the Claims

Claim 1 (Cancelled).

2. (Previously Presented) A polyurethane having a structural unit represented by formula (I):



wherein n represents an integer of 2 to 1000,

R<sup>1</sup> represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

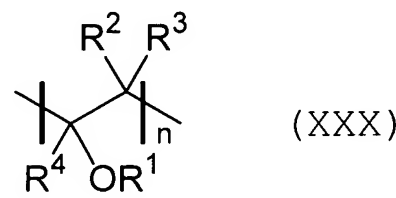
R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R<sup>1</sup>s, R<sup>2</sup>s, R<sup>3</sup>s, and R<sup>4</sup>s, when they are each present two or more in number, may be the same or different, and

R<sup>5</sup> represents a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl.

3. (Currently Amended) The polyurethane according to claim 1 or 2,  
wherein the weight-average molecular weight thereof is 30000 to 1000000.

4. (Currently Amended) ~~The polyurethane according to claim 1, which is a urethane acrylate~~ An urethane acrylate having a structural unit represented by formula (XXX):



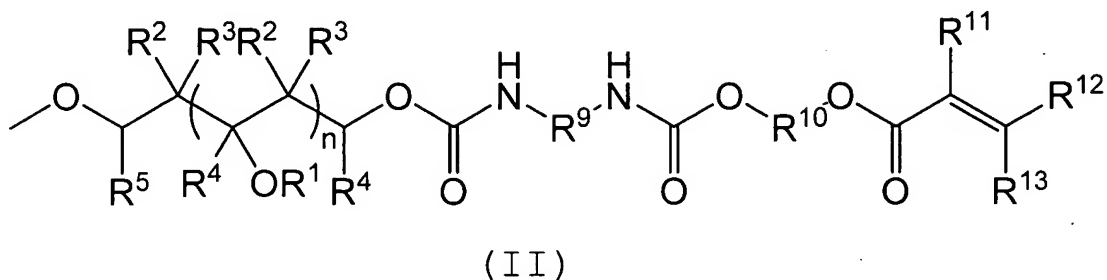
wherein n represents an integer of 2 to 1000,

R<sup>1</sup> represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl, and

R<sup>1</sup>s, R<sup>2</sup>s, R<sup>3</sup>s, and R<sup>4</sup>s, when they are each present two or more in number, may be the same or different.

5. (Currently Amended) An urethane acrylate having a structural unit represented by formula (II):



wherein n represents an integer of 2 to 1000,

R<sup>1</sup> represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

~~R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup>~~ R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R<sup>1</sup>s, R<sup>2</sup>s, R<sup>3</sup>s, and R<sup>4</sup>s, when they are each present two or more in number, may be the same or different,

R<sup>9</sup> represents a residue derived from a polyisocyanate compound,

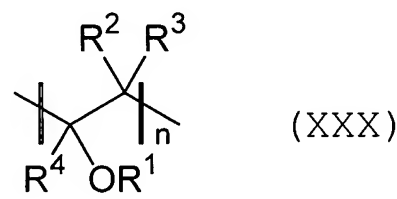
R<sup>10</sup> represents substituted or unsubstituted lower alkylene, substituted or unsubstituted cycloalkylene, or substituted or unsubstituted arylene, and

R<sup>11</sup>, R<sup>12</sup> and R<sup>13</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or a substituted or unsubstituted aralkyl.

6. (Original) The urethane acrylate according to claim 4 or 5, wherein the number-average molecular weight thereof is 200 to 10000.

7. (Previously Presented) A composition comprising the urethane acrylate according to claim 4 or 5, and a radical photo-, or thermal polymerization initiator.

8. (Currently Amended) ~~The polyurethane according to claim 1, which is a urethane alkenyl ether~~ An urethane alkenyl ether, having a structural unit represented by formula (XXX):



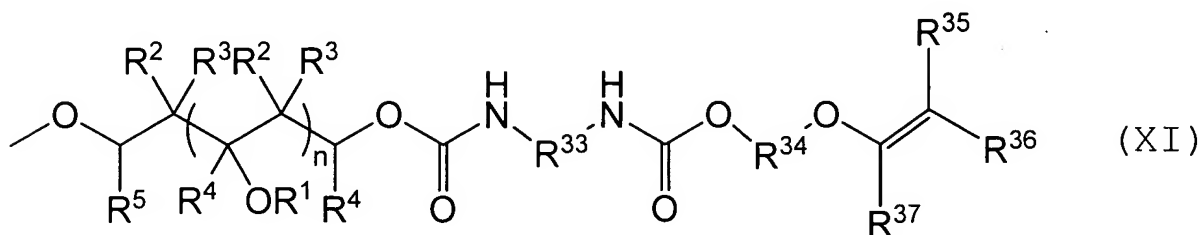
wherein n represents an integer of 2 to 1000,

R<sup>1</sup> represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl, and

R<sup>1</sup>s, R<sup>2</sup>s, R<sup>3</sup>s, and R<sup>4</sup>s, when they are each present two or more in number, may be the same or different.

9. (Currently Amended) An urethane alkenyl ether having a structural unit represented by formula (XI):



wherein n represents an integer of 2 to 1000,

R<sup>1</sup> represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

~~R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup>~~ R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R<sup>1</sup>s, R<sup>2</sup>s, R<sup>3</sup>s, and R<sup>4</sup>s, when they are each present two or more in number, may be the same or different,

R<sup>33</sup> represents a residue derived from a polyisocyanate compound,

R<sup>34</sup> represents a substituted or unsubstituted lower alkylene, substituted or unsubstituted cycloalkylene, or substituted or unsubstituted arylene, and

$R^{35}$ ,  $R^{36}$  and  $R^{37}$  independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl or substituted or unsubstituted aralkyl.

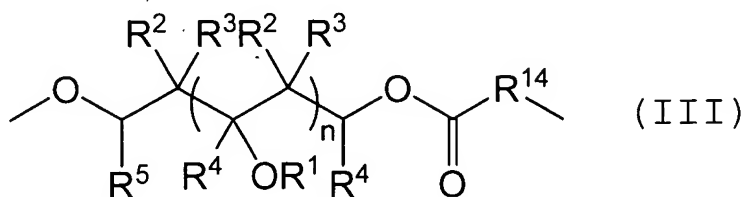
10. (Original) The urethane alkenyl ether according to claim 8 or 9, wherein the number-average molecular weight thereof is 200 to 10000.

11. (Previously Presented) A composition comprising the urethane alkenyl ether according to claim 8 or 9, and a polymerization initiator generating an acid through heating or light irradiation.

12. (Previously Presented) A composition comprising the urethane alkenyl ether according to claim 8 or 9, and a compound having a maleimido group.

Claim 13 (Cancelled)

14. (Currently Amended) A polyester having a structural unit represented by formula (III):



wherein n represents an integer of 2 to 1000,

$R^1$  represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

$R^2$ ,  $R^3$  and  $R^4$   $R^3$ ,  $R^4$  and  $R^5$  independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

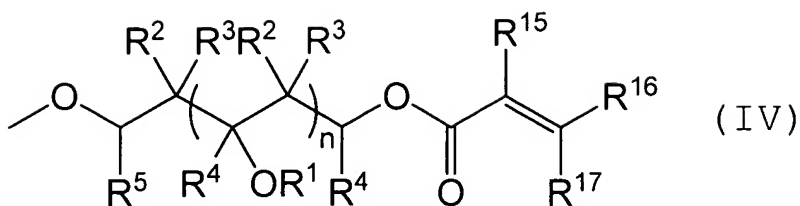
$R^1$ 's,  $R^2$ 's,  $R^3$ 's, and  $R^4$ 's, when they are each present two or more in number, may be the same or different, and

$R^{14}$  represents substituted or unsubstituted lower alkylene, substituted or unsubstituted cycloalkylene, or substituted or unsubstituted arylene.

15. (Currently Amended) The polyester according to claim ~~13~~ or 14, wherein the weight-average molecular weight thereof is 30000 to 1000000.

Claim 16 (Cancelled).

17. (Currently Amended) An ester acrylate having a structural unit represented by formula (IV):



wherein n represents an integer of 2 to 1000,

R<sup>1</sup> represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

~~R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup>~~ R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

R<sup>1</sup>s, R<sup>2</sup>s, R<sup>3</sup>s, and R<sup>4</sup>s, when they are each present two or more in number, may be the same or different, and

R<sup>15</sup>, R<sup>16</sup>, and R<sup>17</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl.

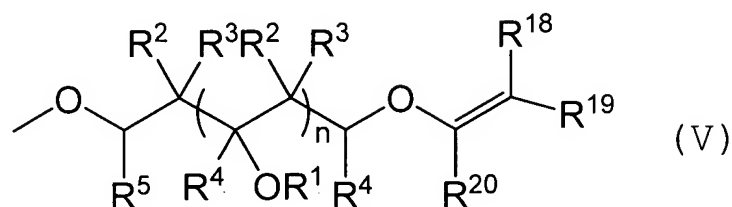
18. (Currently Amended) The ester acrylate according to claim ~~16 or~~ 17, wherein the number-average molecular weight thereof is 200 to 10000.

19. (Currently Amended) A composition comprising the ester acrylate according to claim ~~16 or~~ 17, and a radical photo-, or thermal polymerization initiator.



**Claim 20 (Cancelled)**

21. (Currently Amended) An alkenyl ether having a structural unit represented by formula (V):



wherein n represents an integer of 2 to 1000,

R<sup>1</sup> represents substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

$R^2$ ,  $R^3$  and  $R^4$   $R^3$ ,  $R^4$  and  $R^5$  independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl,

$R^1s$ ,  $R^2s$ ,  $R^3s$ , and  $R^4s$ , when they are each present two or more in number, may be the same or different, and

R<sup>18</sup>, R<sup>19</sup>, and R<sup>20</sup> independently represent a hydrogen atom, substituted or unsubstituted lower alkyl, substituted or unsubstituted cycloalkyl, substituted or unsubstituted aryl, or substituted or unsubstituted aralkyl.

22. (Currently Amended) The alkenyl ether according to claim ~~20~~ or 21, wherein the number-average molecular weight thereof is 200 to 10000.

23. (Currently Amended) A composition comprising the alkenyl ether according to claim ~~20~~ or 21 and a polymerization initiator generating an acid through heating or light irradiation.

24. (Currently Amended) A composition comprising the alkenyl ether according to claim ~~20~~ or 21 and a compound having a maleimido group.

25. (Previously Presented) A composition comprising the urethane acrylate according to claim 6, and a radical photo-, or thermal polymerization initiator.

26. (Previously Presented) A composition comprising the urethane alkenyl ether according to claim 10, and a polymerization initiator generating an acid through heating or light irradiation.

27. (Previously Presented) A composition comprising the urethane alkenyl ether according to claim 10, and a compound having a maleimido group.

28. (Previously Presented) A composition comprising the ester acrylate according to claim 18, and a radical photo-, or thermal polymerization initiator.

29. (Previously Presented) A composition comprising the alkenyl ether according to claim 22 and a polymerization initiator generating an acid through heating or light irradiation.

30. (Previously Presented) A composition comprising the alkenyl ether according to claim 22 and a compound having a maleimido group.